Comment: Nonlinear SNR Amplification Of Harmonic Signal In Noise

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Summary

This comment relates to a recently published Letter, which computes the signal-to-noise ratio (SNR) of a harmonic signal in additive noise after transformation by an arbitrary memoryless nonlinearity. According to the authors, with a simple saturating nonlinearity having direct electronic implementation, an amplification of the SNR can be obtained. It is shown here that this computation and the resulting conclusion are not new.

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